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Robert H. Gault, Northwestern University, Evanston, Illinois.

W. LEE LEWIS

THE SCHOOL OF ENGINEERING OF PRINCETON UNIVERSITY

THE trustees of Princeton University have planned to enlarge its school of engineering, giving courses in civil engineering, electrical engineering, mechanical engineering, chemical engineering and mining engineering. These courses will extend over four years, at the end of which time the bachelor's degree will be given. A fifth year will be required for an engineering degree. The plan of the school is one which will not compete with those of engineering schools giving a four-year course, the intention being to make each of the courses mentioned such that the student will secure sufficient engineering training in four years to become an assistant to an engineer, and so be self-supporting, and in addition receive a thorough grounding in physics, chemistry, mathematics, languages, literature, philosophy, economics and sociology to give him a broad outlook on everyday problems. The endeavor will be to make an engineer rather than a specialist. The fifth year is to be devoted primarily to engineering subjects, including certain courses in engineering economics and possibly a limited amount of research. Professor Arthur M. Greene, Jr., of the Rensselaer Polytechnic Institute, has been called to become the dean of the new school and professor of mechanical engineering; he will take up his duties in the fall of 1922. Professor Greene has served as manager and vice-president of the American Society of Mechanical Engineers and at present is chairman of the research committee of the society, a member of the Boiler Code Committee and chairman of its Special Committee on Steam Piping. He is one of the society's representatives on the Engineering Division of the National Research Council and on the Executive Board of the Federated American Engineering Societies.

THE ROCKEFELLER INSTITUTE FOR MEDICAL RESEARCH

THE Board of Scientific Directors of the Rockefeller Institute for Medical Research announces the following promotions and appointments:

Dr. Frederick L. Gates, hitherto an associate in pathology and bacteriology, has been made an associate member.

Dr. Frederic S. Jones, hitherto an associate in the department of animal pathology, has been made an associate member.

Dr. Goronwy O. Broun, hitherto a fellow in pathology and bacteriology, has been made an assistant.

The following new appointments are announced:

Dr. E. V. Cowdry, associate member in pathology and bacteriology.

Dr. Albert Fischer, assistant in experimental surgery.

Dr. William A. Hagan, assistant in the department of animal pathology.

Dr. Albert B. Hastings, assistant in chemistry.

Dr. Hugh J. Morgan, assistant in medicine.

Mr. David I. Hitchcock, fellow in general physiology.

Mr. James M. Neill, fellow in medicine.

Dr. John Auer, hitherto an associate member in physiology and pharmacology, has accepted a position as professor of pharmacology at St. Louis University.

Dr. Francis G. Blake, hitherto an associate member in medicine, has accepted a position as professor of medicine in Yale University School of Medicine.

Dr. J. Harold Austin, hitherto an associate in medicine, has accepted a position as professor of research medicine at the University of Pennsylvania.

Dr. Glenn E. Cullen, hitherto an associate in chemistry, has accepted a position as associate professor of research medicine at the University of Pennsylvania.

Dr. William C. Stadie, hitherto an associate in medicine, has accepted a position as assistant professor in medicine at Yale University School of Medicine.

Dr. Martha Wollstein, hitherto an associate in pathology and bacteriology, has ac-

cepted a position as pathologist at the Babies Hospital, New York City.

Dr. Israel J. Kligler, hitherto an associate in bacteriology, has accepted an appointment with the Zionist Medical Unit in Palestine.

SCIENTIFIC NOTES AND NEWS

DR. F. H. KNOWLTON, of the U. S. Geological Survey, received the honorary degree of doctor of science from Middlebury College, at its recent commencement.

PROFESSOR LAWRENCE J. HENDERSON, of Harvard University, has been elected a foreign correspondent of the Paris Academy of Medicine.

DR. H. S. WASHINGTON, of the Geophysical Laboratory, Carnegie Institution of Washington, has been elected a foreign honorary member of the Norwegian Academy of Sciences.

PROFESSOR FLORIAN CAJORI, of the University of California, has been elected fellow of the American Academy of Arts and Sciences.

DR. A. SMITH WOODWARD, keeper of geology in the British Museum of Natural History, has been elected president of the Linnean Society of London.

DR. GEORGE M. PIERSOL, who has been professor of anatomy in the University of Pennsylvania for thirty years, is retiring from active service.

DR. MICHAEL E. GARDNER has been appointed chief of the bureau of preventable diseases and director of the bacteriologic laboratory of the United States Public Health Service.

THE Albert medal of the Royal Society of Arts for 1921 has been awarded to Professor J. A. Fleming in recognition of his contributions to electrical science and its applications.

CHARLES F. RAND, chairman of the executive board of Engineering Foundation, has been elected an honorary member of the Iron and Steel Institute of Great Britain. Mr. Rand is honorary secretary of the John Fritz Medal Board of Award in London which recently be-

stowed the John Fritz Medal for achievement in applied science on Sir Robert Hadfield. On July 8 the mission went to Paris to confer the John Fritz Medal for 1922 upon Eugene Schneider, head of the Creusot Works.

GEORGE OTIS SMITH, director of the United States Geological Survey, sailed for England on July 9 on the *Cedric* to attend the meeting of the organization committee of the International Geological Congress in London on July 20. Professor R. W. Brock, of the University of British Columbia, the chairman of this international committee, is the other representative of the Western Hemisphere. The last meeting of this congress was held in Canada in 1913, when Belgium invited the congress to meet in Brussels in 1916. This invitation has been renewed for 1922.

DR. WILLIAM H. WELCH, director of the school of hygiene and public health, Johns Hopkins University, is among those who will attend the dedication of the new buildings of the Peking Union Medical College, at Peking, China, in September.

PROFESSOR THOMAS HUNT MORGAN, of Columbia University, is spending the last few months of his sabbatical leave at the University of California, where he and his group of assistants are continuing their genetic investigations of *Drosophila*. The other members of the party are Dr. A. H. Sturtevant, Dr. C. B. Bridges, Dr. D. E. Lancefield, Mrs. D. E. Lancefield and Miss Phoebe Reed, cytologists, and Miss Edith Wallace, artist. The party will remain at the university until the opening of Columbia University about Sept. 15.

THOMAS FORSYTH HUNT, dean of the college of agriculture at the University of California, has returned to the university after a year's travel and study in Italy, Sicily, Egypt, England and Scotland. The main purpose of his trip was to make a survey of European methods of agriculture with special reference to fruit production and its effect upon the progressive development of various nations.

DR. O. G. F. LUHN, of Larawok, Borneo, recently arrived at the University of California